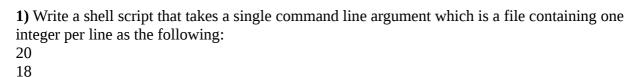
CENG313 Fall 2018

**Due date:** 19.10.2018 10:00 am

## PROGRAMMING ASSIGNMENT 1



5 32 4

From this data, your program should print out a row of stars of the given length for each integer. For the input above, your program should print the following:

# Ex:

**2)** Write a shell script that reads integers (one-per-line) from the user until it reads the word "end". Afterward, it will report the maximum number given by the user.

## Ex:

\$./myprog2.sh

Enter a sequence of numbers followed by "end"

7

18

42

123

54

92

end

Maximum: 123

**3)** Write a shell script that takes an optional argument as a directory, and removes all zero length ordinary files in the directory. If directory argument is not given, it should remove all zero-length files in the current directory.

#### Ex:

```
$ ls -l /home/std/Desktop
-rw------ 1 std std 152144 Jun 20 2005 alice-in-wonderland.txt
-rw------ 1 std std 0 Jun 20 2005 barleby-scrivener.txt
-rw------ 1 std std 13421 Jun 20 2005 calaveras-county.txt
-rw------ 1 std std 635 Jun 20 2005 french.txt
-rw------ 1 std std 0 Jun 20 2005 hawthorne.txt
-rw------ 1 std std 172541 Jun 20 2005 looking-glass.txt
drwx------ 1 std std 476 May 25 2007 shakespeare
-rw------ 1 std std 0 Jun 20 2005 trees-and-other-poems.txt
```

```
$ ./myprog3.sh /home/std/Desktop
3 zero-length files are removed from the directory: /home/std/Desktop
$ ls -l /home/std/Desktop
-rw------ 1 std std 152144 Jun 20 2005 alice-in-wonderland.txt
-rw------ 1 std std 13421 Jun 20 2005 calaveras-county.txt
-rw------ 1 std std 635 Jun 20 2005 french.txt
-rw------ 1 std std 172541 Jun 20 2005 looking-glass.txt
drwx------ 14 std std 476 May 25 2007 shakespeare
```

#### **Useful links:**

https://steve-parker.org/sh/bourne.shtml http://mirrors.sunsite.dk/ldp/HOWTO/Bash-Prog-Intro-HOWTO.html

### **Notes:**

- You are required to submit a report that includes explanations about implementations with screenshots of your sample executions.
- You need to work individually, no group work is allowed.
- No late homework will be accepted.

**Submission:** You are required to submit your **commented** source code and report to CMS. Please create a compressed file including all source files and report; and name it as yourstudentnumber\_P1.zip (e.g. If your student number is 201812345678, the file name must be 201812345678\_P1.zip).